



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

December 28, 2017

Mr. Dave Shelow & Ms Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow & Ms Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 11/30/17 11:01 through 12/06/17 10:55.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-06

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 **FAX:** -

FILE #: 0344.00

REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Levee	7113010-01	Air	11/28/17 13:02	11/30/17 11:01
Ochsner Hospital	7113010-02	Air	11/28/17 12:50	11/30/17 11:01
Fifth Ward Elementary School	7113010-04	Air	11/28/17 13:08	11/30/17 11:01
Fifth Ward Elementary School	7113010-05	Air	11/28/17 13:08	11/30/17 11:01
East St. John the Baptist High	7113010-07	Air	11/28/17 12:45	11/30/17 11:01
238 Chad Baker	7113010-08	Air	11/28/17 13:12	11/30/17 11:01
Fifth Ward Elementary School	7120517-01	Air	12/01/17 13:45	12/05/17 11:06
Ochsner Hospital	7120517-02	Air	12/01/17 13:31	12/05/17 11:06
East St. John the Baptist High	7120517-03	Air	12/01/17 13:28	12/05/17 11:06
238 Chad Baker	7120517-04	Air	12/01/17 13:48	12/05/17 11:06
Acorn and Hwy 44 C1	7120517-05	Air	12/01/17 13:35	12/05/17 11:06
Acorn and Hwy 44 C2	7120517-06	Air	12/01/17 13:38	12/05/17 11:06
Levee	7120517-07	Air	12/01/17 13:42	12/05/17 11:06
Fifth Ward Elementary School	7120615-01	Air	12/04/17 14:30	12/06/17 10:55
Fifth Ward Elementary School	7120615-02	Air	12/04/17 14:30	12/06/17 10:55
Acorn and Hwy 44	7120615-03	Air	12/04/17 14:22	12/06/17 10:55
Ochsner Hospital	7120615-04	Air	12/04/17 14:14	12/06/17 10:55
Levee	7120615-05	Air	12/04/17 14:25	12/06/17 10:55
East St. John the Baptist High	7120615-06	Air	12/04/17 14:10	12/06/17 10:55
238 Chad Baker	7120615-07	Air	12/04/17 14:35	12/06/17 10:55



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7113010-01

Sampled: 11/28/17 13:02

Pressure @ Receipt: 10.00" Hg

Canister #: 5024

Received: 11/30/17 11:01

Comments: PR-2 Start 12:50 11/27/17

Analyzed: 12/06/17 20:58

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.295	1.07		0.020



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7113010-02

Sampled: 11/28/17 12:50

Pressure @ Receipt: 7.00" Hg

Canister #: 18823

Received: 11/30/17 11:01

Comments: PR-23 Start 12:38 11/27/17

Analyzed: 12/06/17 22:00

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.019	0.07	U	0.020



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FILE #: 0344.00

REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7113010-04

Sampled: 11/28/17 13:08

Pressure @ Receipt: 9.50" Hg

Canister #: 19294

Received: 11/30/17 11:01

Comments: Col 1 PR-21 Start 12:54 11/27/17

Analyzed: 12/12/17 20:18

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	41.5	151.00	D	0.126



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7113010-05

Sampled: 11/28/17 13:08

Pressure @ Receipt: 7.00" Hg

Canister #: SAT025

Received: 11/30/17 11:01

Comments: Col 2 PR-15 Start 12:54 11/27/17

Analyzed: 12/12/17 21:20

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	41.0	149.00	D	0.126



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7113010-07

Sampled: 11/28/17 12:45

Pressure @ Receipt: 6.50" Hg

Canister #: 18819

Received: 11/30/17 11:01

Comments: PR-8 Start 12:33 11/27/17

Analyzed: 12/07/17 04:14

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	4.24	15.40		0.020



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7113010-08

Sampled: 11/28/17 13:12

Pressure @ Receipt: 6.50" Hg

Canister #: 19280

Received: 11/30/17 11:01

Comments: PR-24 Start 13:03 11/27/17

Analyzed: 12/13/17 00:25

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	19.3	70.00	D	0.222



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FILE #: 0344.00

REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7120517-01

Sampled: 12/01/17 13:45

Pressure @ Receipt: 7.50" Hg

Canister #: 5123

Received: 12/05/17 11:06

Comments: PR-15 Start 13:15 11/30/17

Analyzed: 12/07/17 06:17

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.109	0.40		0.020



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7120517-02

Sampled: 12/01/17 13:31

Pressure @ Receipt: 7.00" Hg

Canister #: 19278

Received: 12/05/17 11:06

Comments: PR-23 Start 12:53 11/30/17

Analyzed: 12/07/17 07:19

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.035	0.13		0.020



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7120517-03

Sampled: 12/01/17 13:28

Pressure @ Receipt: 7.00" Hg

Canister #: 18830

Received: 12/05/17 11:06

Comments: PR-8 Start 12:50 11/30/17

Analyzed: 12/07/17 08:21

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.070	0.25		0.020



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FILE #: 0344.00

REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7120517-04

Sampled: 12/01/17 13:48

Pressure @ Receipt: 7.00" Hg

Canister #: 19651

Received: 12/05/17 11:06

Comments: PR-24 Start 13:20 11/30/17

Analyzed: 12/07/17 09:22

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.053	0.19		0.020



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FILE #: 0344.00

REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C1

Lab ID: 7120517-05

Sampled: 12/01/17 13:35

Pressure @ Receipt: 7.50" Hg

Canister #: 19656

Received: 12/05/17 11:06

Comments: Col 1 PR-18 Start 13:05 11/30/17

Analyzed: 12/07/17 10:24

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.036	0.13		0.020



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C2

Lab ID: 7120517-06

Sampled: 12/01/17 13:38

Pressure @ Receipt: 12.00" Hg

Canister #: SAT041

Received: 12/05/17 11:06

Comments: Col 2 PR-21 Start 13:05 11/30/17

Analyzed: 12/07/17 11:27

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.051	0.19		0.020



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7120517-07

Sampled: 12/01/17 13:42

Pressure @ Receipt: 7.50" Hg

Canister #: 5094

Received: 12/05/17 11:06

Comments: PR-2 Start 13:09 11/30/17

Analyzed: 12/07/17 14:34

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.456	1.65		0.020



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FILE #: 0344.00

REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7120615-01

Sampled: 12/04/17 14:30

Pressure @ Receipt: 7.50" Hg

Canister #: SAT081

Received: 12/06/17 10:55

Comments: Col 1 PR-15 Start 14:14 12/3/17

Analyzed: 12/13/17 01:27

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.219	0.80		0.020



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7120615-02

Sampled: 12/04/17 14:30

Pressure @ Receipt: 12.50" Hg

Canister #: SAT069

Received: 12/06/17 10:55

Comments: Col 2 PR-21 Start 14:14 12/3/17

Analyzed: 12/13/17 02:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.226	0.82		0.020



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REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7120615-03

Sampled: 12/04/17 14:22

Pressure @ Receipt: 7.50" Hg

Canister #: SAT017

Received: 12/06/17 10:55

Comments: PR-18 Start 14:00 12/3/17

Analyzed: 12/13/17 05:37

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



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SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7120615-04

Sampled: 12/04/17 14:14

Pressure @ Receipt: 6.00" Hg

Canister #: 5147

Received: 12/06/17 10:55

Comments: PR-23 Start 13:52 12/3/17

Analyzed: 12/13/17 06:39

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7120615-05

Sampled: 12/04/17 14:25

Pressure @ Receipt: 7.00" Hg

Canister #: SAT105

Received: 12/06/17 10:55

Comments: PR-2 Start 14:10 12/3/17

Analyzed: 12/13/17 07:41

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.010	0.04	U	0.020



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7120615-06

Sampled: 12/04/17 14:10

Pressure @ Receipt: 7.00" Hg

Canister #: SAT063

Received: 12/06/17 10:55

Comments: PR-8 Start 13:46 12/3/17

Analyzed: 12/13/17 08:43

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.014	0.05	U	0.020



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7120615-07

Sampled: 12/04/17 14:35

Pressure @ Receipt: 7.00" Hg

Canister #: SAT048

Received: 12/06/17 10:55

Comments: PR-24 Start 14:18 12/3/17

Analyzed: 12/13/17 09:45

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.367	1.33		0.020



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FILE #: 0344.00

REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B7L0605 - Summa Canister Prep

Blank (B7L0605-BLK1)

Prepared: 11/22/17 Analyzed: 12/06/17

Chloroprene	ND	ppbv				U
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Duplicate (B7L0605-DUP1)

Source: 7113010-04

Prepared: 11/28/17 Analyzed: 12/12/17

Chloroprene	40.3	ppbv	41.50	2.89	25	D
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Duplicate (B7L0605-DUP2)

Source: 7113010-05

Prepared: 11/28/17 Analyzed: 12/12/17

Chloroprene	41.4	ppbv	41.00	1.01	25	D
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Duplicate (B7L0605-DUP3)

Source: 7120517-05

Prepared: 12/01/17 Analyzed: 12/07/17

Chloroprene	0.035	ppbv	0.04	4.20	25	
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Duplicate (B7L0605-DUP4)

Source: 7120517-06

Prepared: 12/01/17 Analyzed: 12/07/17

Chloroprene	0.050	ppbv	0.05	1.78	25	
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Batch B7L0803 - Summa Canister Prep

Blank (B7L0803-BLK1)

Prepared: 11/22/17 Analyzed: 12/12/17

Chloroprene	ND	ppbv				U
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Duplicate (B7L0803-DUP1)

Source: 7120615-01

Prepared: 12/04/17 Analyzed: 12/13/17

Chloroprene	0.229	ppbv	0.22	4.78	25	
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Duplicate (B7L0803-DUP2)

Source: 7120615-02

Prepared: 12/04/17 Analyzed: 12/13/17

Chloroprene	0.228	ppbv	0.23	0.573	25	
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CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-06

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 FAX: -

FILE #: 0344.00

REPORTED: 12/28/17 09:45

SUBMITTED: 11/30/17 to 12/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1711075

Calibration Check (1711075-CCV1)

Prepared & Analyzed: 11/30/17

Chloroprene	2.64	ppbv	7.5	30.00
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Sequence 1712009

Calibration Check (1712009-CCV1)

Prepared & Analyzed: 12/06/17

Chloroprene	2.81	ppbv	14.4	30.00
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Sequence 1712015

Calibration Check (1712015-CCV1)

Prepared: 12/08/17 Analyzed: 12/12/17

Chloroprene	2.57	ppbv	4.4	30.00
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CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-06

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ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 **FAX:** -

FILE #: 0344.00

REPORTED: 12/28/17 09:45

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AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
D	This result obtained by dilution.
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.